



IP and SOC Panel

# SiFive: Leading the Open Hardware Revolution

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Sunil Shenoy, SVP, RISC-V

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# SiFive: The “Red Hat” of Open Hardware

## SiFive Benefits

RISC-V	Inventors of the RISC-V ISA Leaders in commercial RISC-V Core IP
Chips and applications	Enablement and Support for building RISC-V SoCs and applications
Customization	<i>Have it Your Way: Configure/Customize your IP</i>

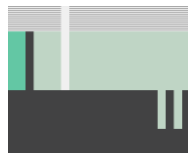
## Testimonials

“RISC-V opens up processor design. Open source has comprehensively changed the world of software. RISC-V wants to do the same for processors”  
– Rupert Goodwins | ZDnet

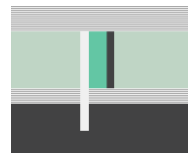
“SiFive’s RISC-V Core IP was 1/3 the power and 1/3 the area of competing solutions, and gave FADU the flexibility we needed in optimizing our architecture to achieve these groundbreaking products”  
– Jihyo Lee | FADU

### E3 Series

High-performance 32-bit MCU cores



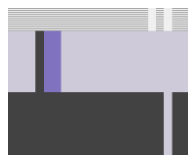
E31 Core



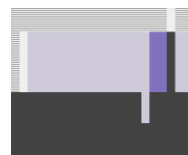
E34 Core

### S5 Series

64-bit performance, 32-bit price and area



S51 Core



S54 Core

### U5 Series

64-bit Linux capable application processors



U54 Core



U54-MC Core

All RISC-V core products are delivered via web-based GUI **SiFive Core Designer**

Customers can choose preset Standard Core options or create and save their own configurations

The **release candidates** are generated with a single click and available in 24 hours after verification

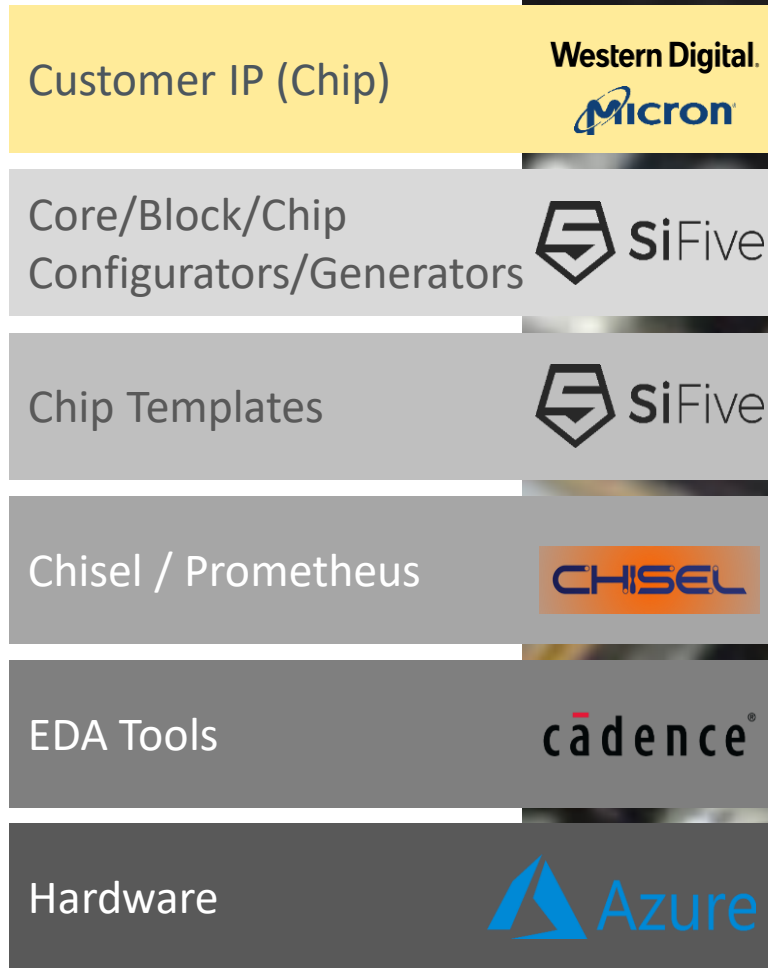
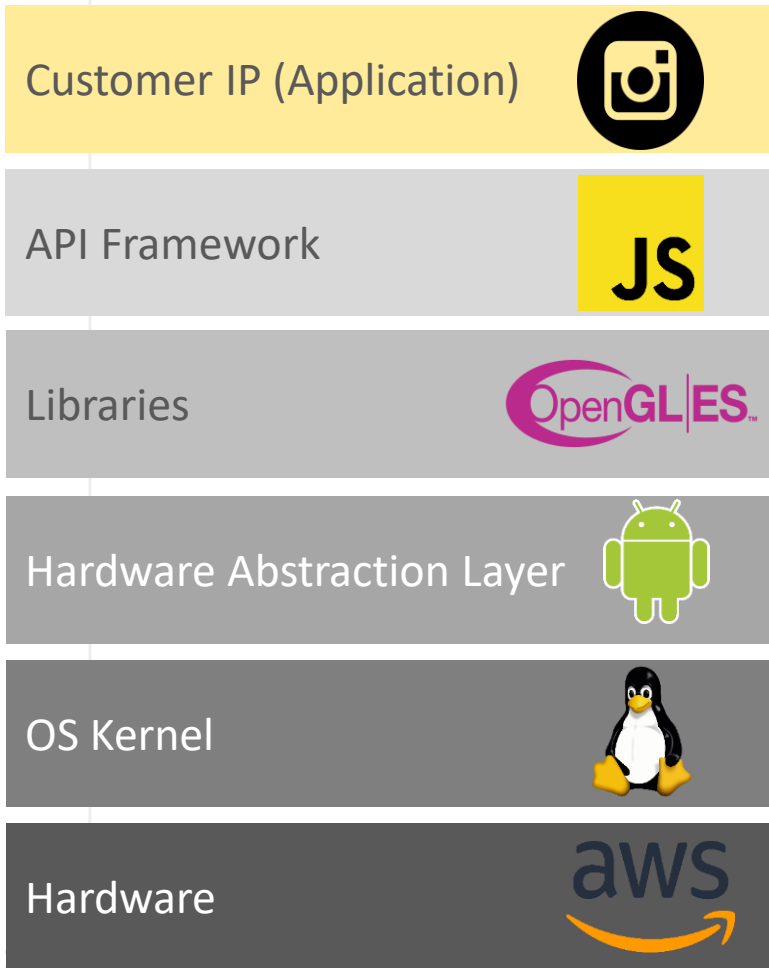
**Visit** [sifive.com](https://sifive.com)

**Contact** [sunil@sifive.com](mailto:sunil@sifive.com)



## Software stack

## “Hardware stack”



 Innovators focus on high-level work

**“Hardware Stack”  
Disrupting the Silicon  
Business at Software  
Speed**

Foundry / OSAT

Source: Google Developers

# DesignShare Enables Rapid Scaling of IP Pool Needed to Build Templates

## IP Easily Integratable

01 DesignShare Partners provide their IP for SiFive Freedom Platform at zero cost

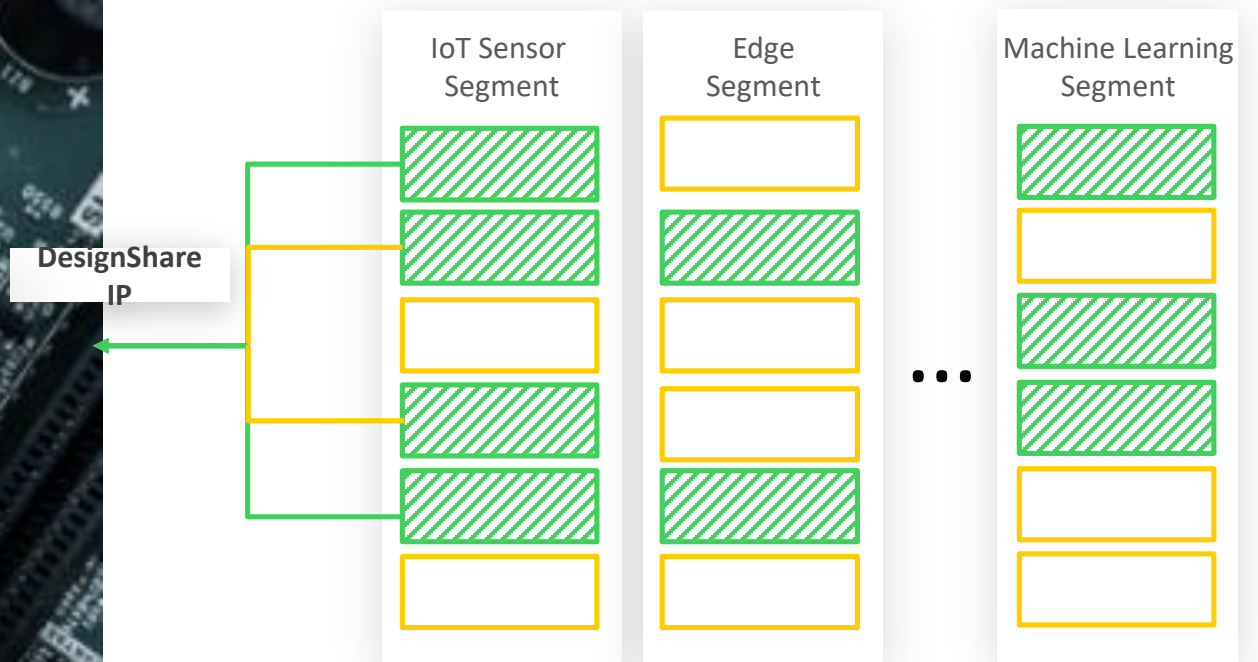
### Benefit to DesignShare Partners

- Increase number of design starts
- IP Protection
- SiFive collects NRE/Royalties in production

### Benefits to Customers

- Reduces expertise needed
- Single contract/NDA

03



Rambus

Think Silicon  
ultra-low power | vivid graphics

ANALOG BITS

DOVER  
MICROSYSTEMS

ultra soc

flexlogix  
Technologies, Inc.

BrOte  
semiconductor

terminus circuits  
innovative solutions

mobiveil  
Investors in Innovation™

ememory

Corigine

chipus

20+ more in pipeline